Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/14/2017 11:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124309	-1	1.54	124180	1.53
Blue	F	SSC	125000	124528	-1	2.60	124933	2.41
Blue	E	FITC	21625	21257	-2	2.40	943	9.75
Blue	D	PE	26832	26476	-2	1.94	950	9.47
Blue	B	PerCP-Cy5-5	48027	47986	-1	3.21	1378	16.19
Blue	A	PE-Cy7	40971	40840	-1	4.88	632	34.67
Red	C	APC	49746	49309	-1	2.80	2855	9.48
Red	A	APC-Cy7	53615	53050	-2	2.99	1097	11.40
Violet	B	V450	14488	13816	-5	4.81	662	9.14
Violet	A	V500	55123	53986	-3	4.58	2387	6.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18876	5.18	602	4	N/A	N/A	Pass
Blue	F	SSC	61909	1.50	533	-1	N/A	N/A	Pass
Blue	E	FITC	106	38.44	534	-2	0.0237	252	Pass
Blue	D	PE	208	28.15	529	-2	0.1728	243	Pass
Blue	B	PerCP-Cy5-5	219	43.76	627	-2	0.0112	146	Pass
Blue	A	PE-Cy7	71	112.57	677	-4	0.0124	12	Pass
Red	C	APC	333	26.91	589	-5	0.0200	12	Pass
Red	A	APC-Cy7	122	40.18	574	-6	0.0054	1503	Pass
Violet	B	V450	80	42.14	467	-4	0.0533	2258	Pass
Violet	A	V500	175	23.03	493	-3	0.0156	666	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.71	-31.30	0.85
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.91	13.27 - 19.91	N/A	N/A	31.49	31.90	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10087

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments